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IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

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IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

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### 1 [A comparative usability evaluation of user interfaces for online product catalog](#)



Ewa Callahan, Jürgen Koenemann

October 2000 **Proceedings of the 2nd ACM conference on Electronic commerce**

Publisher: ACM Press

Full text available: [pdf\(576.85 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)
**Keywords:** e-commerce, electronic catalogs, human-computer, interaction, usability evaluation, user interfaces

### 2 [Computing curricula 2001](#)

September 2001 **Journal on Educational Resources in Computing (JERIC)**

Publisher: ACM Press

Full text available: [pdf\(613.63 KB\)](#) [html\(2.78 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

### 3 [Selected IR-Related Dissertation Abstracts](#)



Susanne M. Humphrey

November 1990 **ACM SIGIR Forum**, Volume 24 Issue 3

Publisher: ACM Press

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### 4 [GPGPU: general purpose computation on graphics hardware](#)



David Luebke, Mark Harris, Jens Krüger, Tim Purcell, Naga Govindaraju, Ian Buck, Cliff Woolley, Aaron Lefohn

August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**



**Publisher:** ACM Press

Full text available:  pdf(63.03 MB) Additional Information: [full citation](#), [abstract](#)

The graphics processor (GPU) on today's commodity video cards has evolved into an extremely powerful and flexible processor. The latest graphics architectures provide tremendous memory bandwidth and computational horsepower, with fully programmable vertex and pixel processing units that support vector operations up to full IEEE floating point precision. High level languages have emerged for graphics hardware, making this computational power accessible. Architecturally, GPUs are highly parallel s ...

## 5 Avoiding Cartesian products for multiple joins



Shinichi Morishita

January 1997 **Journal of the ACM (JACM)**, Volume 44 Issue 1

**Publisher:** ACM Press

Full text available:  pdf(583.81 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

Computing the natural join of a set of relations is an important operation in relational database systems. The ordering of joins determines to a large extent the computation time of the join. Since the number of possible orderings could be very large, query optimizers first reduce the search space by using various heuristics and then try to select an optimal ordering of joins. Avoiding Cartesian products is a common heuristic for reducing the search space, but it cannot guarantee optimal or ...

**Keywords:** Cartesian product, database scheme, join expression tree, join strategy, optimality, semijoin

## 6 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

**Publisher:** IBM Press

Full text available:  pdf(4.21 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

## 7 Special issue: AI in engineering



D. Sriram, R. Joobbani

April 1985 **ACM SIGART Bulletin**, Issue 92

**Publisher:** ACM Press

Full text available:  pdf(8.79 MB) Additional Information: [full citation](#), [abstract](#)

The papers in this special issue were compiled from responses to the announcement in the July 1984 issue of the SIGART newsletter and notices posted over the ARPAnet. The interest being shown in this area is reflected in the sixty papers received from over six countries. About half the papers were received over the computer network.

## 8 Selected IR-Related Dissertation Abstracts



March 1993 **ACM SIGIR Forum**, Volume 27 Issue 1

**Publisher:** ACM Press

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## 9 Search improvement via automatic query reformulation



Susan Gauch, John B. Smith

July 1991 **ACM Transactions on Information Systems (TOIS)**, Volume 9 Issue 3

**Publisher:** ACM Press

Full text available:  pdf(2.28 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)


**Keywords:** Expert Systems, full-text information retrieval, online search assistance, query reformulation, textbases

## 10 Selected IR-Related Dissertation Abstracts



February 1992 **ACM SIGIR Forum**, Volume 26 Issue 1

**Publisher:** ACM Press

Full text available:  pdf(2.24 MB) Additional Information: [full citation](#)

## 11 Designing multinational online stores: challenges, implementation techniques and experience

Yumman Chan, Hendra Suwanda

November 2000 **Proceedings of the 2000 conference of the Centre for Advanced Studies on Collaborative research**

**Publisher:** IBM Press

Full text available:  pdf(114.50 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

With the onset of the Internet, traditional constraints such as geographical barriers have been abolished. Companies are no longer prevented from doing business simply because they are located in different parts of the world. However, there still remain barriers such as taxation, shipping, business practices, language and cultural differences that still prohibit a true globalized marketplace. To best serve customers, it is becoming increasingly important that companies address the wide range of ...


## 12 Information retrieval session 8: efficiency: Online duplicate document detection: signature reliability in a dynamic retrieval environment



Jack G. Conrad, Xi S. Guo, Cindy P. Schriber

November 2003 **Proceedings of the twelfth international conference on Information and knowledge management**

**Publisher:** ACM Press

Full text available:  pdf(215.37 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

As online document collections continue to expand, both on the Web and in proprietary environments, the need for duplicate detection becomes more critical. Few users wish to retrieve search results consisting of sets of duplicate documents, whether identical duplicates or close matches. Our goal in this work is to investigate the phenomenon and

determine one or more approaches that minimize its impact on search results. Recent work has focused on using some form of signature to characterize a do ...

**Keywords:** data management, doc signatures, duplicate document detection

### 13 The dynamics of mass online marketplaces: a case study of an online auction



Jungpil Hahn

March 2001 **Proceedings of the SIGCHI conference on Human factors in computing systems**

**Publisher:** ACM Press

Full text available: pdf(195.95 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

The Internet has dramatically changed how people sell and buy goods. In recent years we have seen the emergence of electronic marketplaces that leverage information technology to create more efficient markets such as online auctions to bring together buyers and sellers with greater effectiveness at a massive scale. Despite the growing interest and importance of such marketplaces, our understanding of how the design of the marketplace affects buyer and seller behavior at the individual level ...

**Keywords:** electronic marketplaces, information overload, item display, market navigation, market technostructure, massive scale online auctions, online market design

### 14 Appication models: Client-system collaboration for legal corpus selection in an online production environment



Jack G. Conrad, Joanne R. S. Claussen

June 2003 **Proceedings of the 9th international conference on Artificial intelligence and law**

**Publisher:** ACM Press

Full text available: pdf(239.10 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

The continued growth of very large data environments such as Westlaw and Dialog, in addition to the World Wide Web, increases the importance of effective and efficient database selection and searching. Current research focuses largely on completely autonomous and automatic selection, searching, and results merging in distributed environments. This fully automatic approach has significant deficiencies, including reliance upon thresholds below which databases with relevant documents are not search ...

**Keywords:** database selection, query categorization, user interaction

### 15 Early user---system interaction for database selection in massive domain-specific online environments



Jack G. Conrad, Joanne R. S. Claussen

January 2003 **ACM Transactions on Information Systems (TOIS)**, Volume 21 Issue 1

**Publisher:** ACM Press

Full text available: pdf(845.54 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

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**Keywords:** Database selection, metadata for retrieval, structuring information to aid search and navigation, user interaction

16 Competitive solutions for online financial problems



Ran El-Yaniv

March 1998 **ACM Computing Surveys (CSUR)**, Volume 30 Issue 1

**Publisher:** ACM Press

Full text available: pdf(331.62 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This article surveys results concerning online algorithms for solving problems related to the management of money and other assets. In particular, the survey focuses on search, replacement, and portfolio selection problems

17 Special issue on knowledge representation



Ronald J. Brachman, Brian C. Smith

February 1980 **ACM SIGART Bulletin**, Issue 70

**Publisher:** ACM Press

Full text available: pdf(13.13 MB) Additional Information: [full citation](#), [abstract](#)

In the fall of 1978 we decided to produce a special issue of the SIGART Newsletter devoted to a survey of current knowledge representation research. We felt that there were two useful functions such an issue could serve. First, we hoped to elicit a clear picture of how people working in this subdiscipline understand knowledge representation research, to illuminate the issues on which current research is focused, and to catalogue what approaches and techniques are currently being developed. Second ...

18 Session 8: Evaluating example-based search tools



Pearl Huan Z. Pu, Pratyush Kumar

May 2004 **Proceedings of the 5th ACM conference on Electronic commerce**

**Publisher:** ACM Press

Full text available: pdf(529.97 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

A crucial element in consumer electronic commerce is a catalog tool that not only finds the product for the user, but also convinces him that he has made the best choice. To do that, it is important to show him ample choices while keeping his interaction effort below an acceptable limit. Among the various interaction models used in operational e-commerce sites, ranked lists are by far the most popular tool for product navigation and selection. However, as the number of product features and the c ...

19 Parallel execution of prolog programs: a survey



Gopal Gupta, Enrico Pontelli, Khayri A.M. Ali, Mats Carlsson, Manuel V. Hermenegildo

July 2001 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 23 Issue 4

**Publisher:** ACM Press

Full text available: pdf(1.95 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Since the early days of logic programming, researchers in the field realized the potential for exploitation of parallelism present in the execution of logic programs. Their high-level nature, the presence of nondeterminism, and their referential transparency, among other characteristics, make logic programs interesting candidates for obtaining speedups through parallel execution. At the same time, the fact that the typical applications of logic programming frequently involve irregular computation ...

**Keywords:** Automatic parallelization, constraint programming, logic programming,

parallelism, prolog

20 GAMS: a framework for the management of scientific software



Ronald F. Boisvert, Sally E. Howe, David K. Kahaner

December 1985 **ACM Transactions on Mathematical Software (TOMS)**, Volume 11 Issue 4

**Publisher:** ACM Press

Full text available: pdf(2.83 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

The Guide to Available Mathematical Software (GAMS) provides a framework for both a scientist-end-user and a librarian-maintainer to deal with large quantities of mathematical and statistical software. This framework includes a classification scheme for mathematical and statistical software, a database system to manage information about this software, and both an on-line interactive consulting system and a printed catalog for providing users with access to this information. A description is ...

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IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

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 Volume 12, Issue 7, July 2004 Page(s):727 - 734  
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 Volume 5, 19-25 Oct. 2003 Page(s):3455 - 3459 Vol.5  
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